

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property  
Organization  
International Bureau**



**(43) International Publication Date**  
**7 July 2005 (07.07.2005)**

## PCT

**(10) International Publication Number**  
**WO 2005/061887 A1**

**(51) International Patent Classification<sup>7</sup>: F03B 17/06**

**(74) Agent: RUSSELL-RAYNER, Albert, Patrick;** Russell-Rayner, Business Centre West, Avenue One, Business Park, Letchworth Garden City, Hertfordshire SG6 2HB (GB).

**(21) International Application Number:**  
PCT/GB2004/005076

**(22) International Filing Date:** 3 December 2004 (03.12.2004)

**(25) Filing Language:** English

**(26) Publication Language:** English

**(30) Priority Data:**  
0329589.6      20 December 2003 (20.12.2003)      GB

**(81) Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(71) **Applicant** (*for all designated States except US*): **MARINE CURRENT TURBINES LIMITED** [GB/GB];  
The Court, The Green, Stoke Gifford, Bristol BS34 8PD  
(GB).

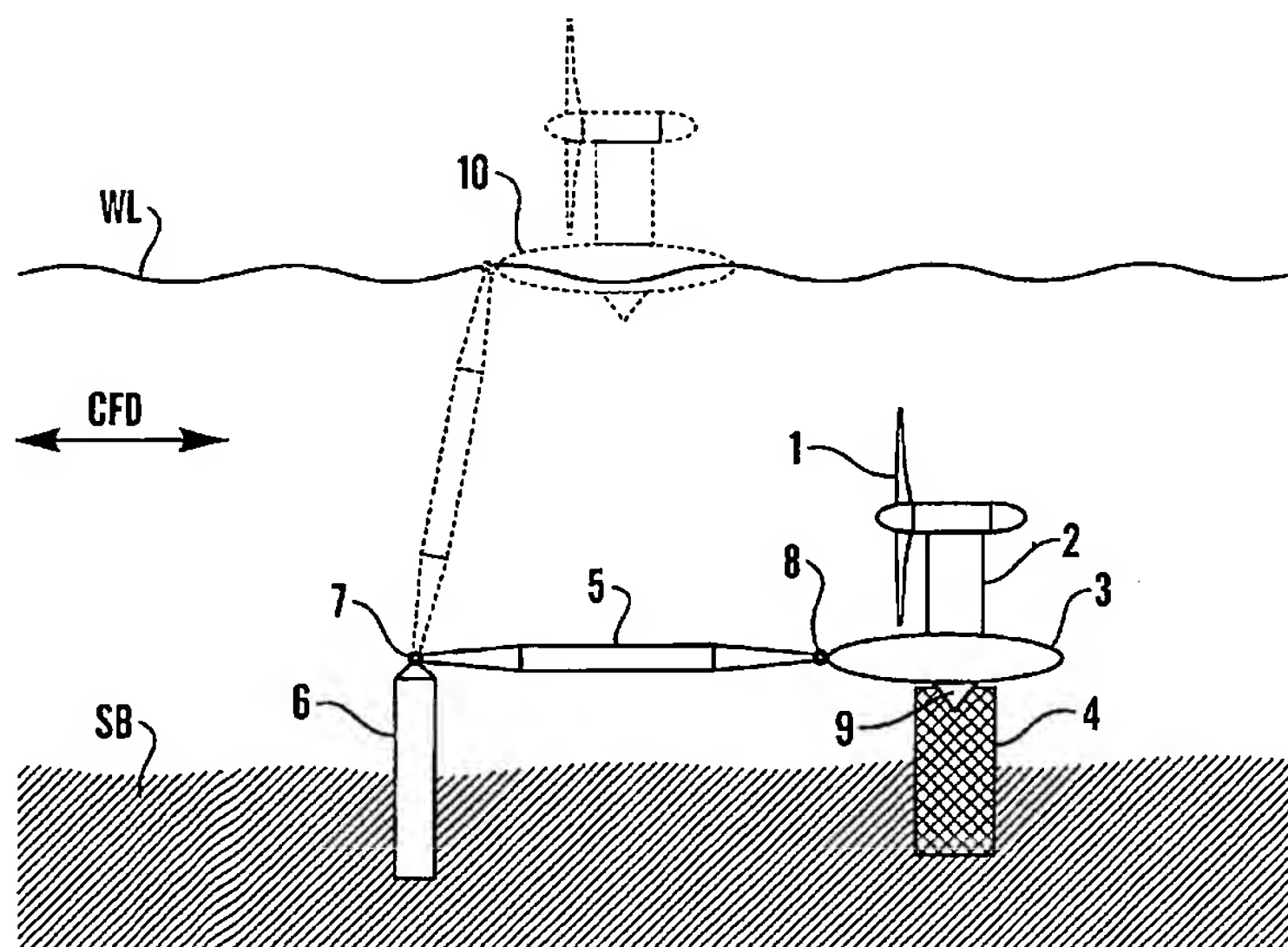
**(84) Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**(72) Inventor; and**

(75) **Inventor/Applicant (for US only):** FRAENKEL, Peter, Leonard [GB/GB]; 2 Amherst Avenue, Ealing, London W13 8NQ (GB).

*[Continued on next page]*

**(54) Title:** ARTICULATED FALSE BED



**(57) Abstract:** A support system for a least one water drivable turbine (1) that when in operation is immersed in a column of flowing water, characterised in that the system includes a deck or raft (3) for supporting said at least one turbine when immersed, the deck or raft (3) having an inherent buoyancy which is such as to enable the deck or raft (3) to rise through the column of water upon reduction of the buoyancy, the arrangement being such that the associated turbine or turbines (1) can be raised above the surface of said column in order to access the turbine for maintenance purposes.

**WO 2005/061887 A1**



**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*